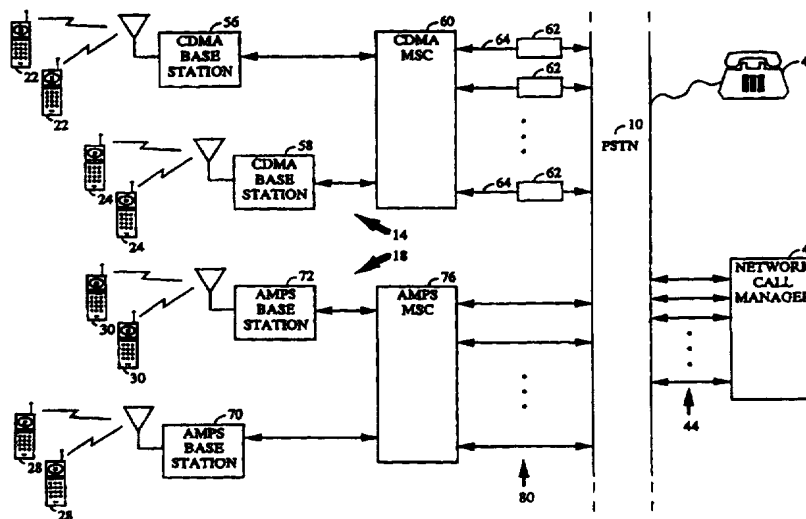




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(21) International Application Number: PCT/US97/01521 (22) International Filing Date: 29 January 1997 (29.01.97) (30) Priority Data: 595,566                      1 February 1996 (01.02.96)                      US (71) Applicant: QUALCOMM INCORPORATED [US/US]; 6455 Lusk Boulevard, San Diego, CA 92121 (US). (72) Inventors: LEKVEN, Eric, J.; 3034 Levante Street, Carlsbad, CA 92009 (US). GROB, Matthew, S.; 2757 Bordeaux Avenue, La Jolla, CA 92037 (US). YAFUSO, Byron, Y.; 10093 Branford Road, San Diego, CA 92129 (US). ROGERS, Steven, L.; 13451 Sparren Court, San Diego, CA 91929 (US). (74) Agents: MILLER, Russell, B. et al.; Qualcomm Incorporated, 6455 Lusk Boulevard, San Diego, CA 92121 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>  (88) Date of publication of the international search report: 18 September 1997 (18.09.97)	

(54) Title: METHOD AND APPARATUS FOR PROVIDING A PRIVATE COMMUNICATION SYSTEM IN A PUBLIC SWITCHED TELEPHONE NETWORK



## (57) Abstract

A private communication network through which a plurality of member users communicate using the public switched telephone network (PSTN) (10) is disclosed herein. Each member user utilizes either a modified land line telephone (48) directly connected to PSTN (10), or uses a modified mobile telephone (22) operatively coupled to the PSTN through a wireless communication system (14). The private communication network includes network call manager (40) having a telephone network interface (92) for establishing a telephone connection with each of a plurality of telephone lines (44) of the PSTN (20). Each of the plurality of telephone lines (44) is associated with one of the plurality of member users. The network call manager (40) further includes a switch matrix (110), coupled to the telephone network interface, for providing an information signal received from an active member user over a selected telephone line to the remaining non-active member users.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 97/01521

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04Q7/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	EP 0 676 906 A (SIEMENS AG ALBIS) 11 October 1995 see page 2, line 45 - line 51 see page 3, line 3 - page 6, line 36 ---	1,10,16, 17,23,28
A	EP 0 334 746 A (THOMSON CSF) 27 September 1989 see page 2, line 18 - line 40 see page 3, line 5 - line 23 see page 3, line 36 - page 4, line 17 see page 4, line 58 - page 5, line 15 see page 5, line 40 - line 58 --- -/-	1,10,15, 17,23,28



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Int. l. Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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